

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------|------------------|---------|------------------|
| L2 | 57 | hartig-klaus.in. | US-PGPUB; USPAT | OR | ON | 2005/12/08 20:34 |
| L3 | 22 | hartig-klaus.in. | EPO; JPO; DERWENT | OR | ON | 2005/12/08 20:34 |
| S7 | 315 | over\$1spray with (gun ion laser beam) | US-PGPUB; USPAT | OR | ON | 2005/12/06 14:59 |
| S8 | 17 | over\$1spray with (gun ion laser beam) with (remov\$3 etch\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/06 14:56 |
| S9 | 118 | S7 and ("118"/\$.ccls. 204/298.\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2005/12/06 15:00 |
| S10 | 315 | over\$1spray with (gun ion laser beam) | US-PGPUB; USPAT | OR | ON | 2005/12/06 18:04 |
| S11 | 8 | S10 and ("118"/715-733.ccls. 204/298.\$.ccls.) | US-PGPUB; USPAT | OR | ON | 2005/12/06 18:04 |
| S12 | 0 | ("2004/0175511").URPN. | USPAT | OR | ON | 2005/12/06 18:12 |
| S13 | 35 | (118/718.ccls. 118/719.ccls. 204/298.23-298.26.ccls. 156/345.31.ccls. 156/345.32.ccls.) and (ion with (remov\$3 etch\$3) with (under below underside bottom)) | USPAT | OR | ON | 2005/12/06 18:44 |
| S14 | 43 | (118/718.ccls. 118/719.ccls. 204/298.23-298.26.ccls. 156/345.31.ccls. 156/345.32.ccls.) and (ion with (remov\$3 etch\$3) with (under below underside bottom)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 18:15 |
| S15 | 48 | (118/718.ccls. 118/719.ccls. 204/298.23-298.26.ccls. 156/345.31.ccls. 156/345.32.ccls.) and ((laser beam ion) with (remov\$3 etch\$3) with (under below underside bottom)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 18:38 |
| S16 | 251 | (ion with (beam gun) with (remov\$3 etch\$3) with (under below underside bottom) with (substrate sheet plate semiconductor wafer workpiece)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 18:39 |
| S17 | 198 | (ion with (beam gun) with (remov\$3 etch\$3) with (under below underside bottom) with (substrate sheet plate semiconductor wafer workpiece)) same (coat\$3 deposit\$3 film\$3 form\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/06 18:40 |
| S18 | 17 | (ion with (beam gun) with (remov\$3 etch\$3) with (under below underside bottom) with (substrate sheet plate semiconductor wafer workpiece)) same ((coat\$3 deposit\$3 film\$3 form\$3) same (transfer\$4 travel\$4 translat\$4 mov\$3 convey\$4)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 18:41 |
| S19 | 281 | (118/718.ccls. 118/719.ccls. 204/298.23-298.26.ccls. 156/345.31.ccls. 156/345.32.ccls.) and ((remov\$3 etch\$3 clean\$3) with (under below underside bottom) with (substrate wafer plate semiconductor workpiece sheet)) | USPAT | OR | ON | 2005/12/06 18:45 |
| S20 | 355 | (118/718.ccls. 118/719.ccls. 204/298.23-298.26.ccls. 156/345.31.ccls. 156/345.32.ccls. 216/37.ccls. 427/255.5.ccls.) and ((remov\$3 etch\$3 clean\$3) with (under below underside bottom) with (substrate wafer plate semiconductor workpiece sheet)) | USPAT | OR | ON | 2005/12/06 18:46 |
| S21 | 94 | (118/718.ccls. 118/719.ccls. 204/298.23-298.26.ccls. 156/345.31.ccls. 156/345.32.ccls. 216/37.ccls. 427/255.5.ccls.) and ((remov\$3 etch\$3 clean\$3) with (under below underside bottom) with (substrate wafer plate semiconductor workpiece sheet) with (transfer\$4 travel\$4 translat\$4 mov\$3 convey\$4)) | USPAT | OR | ON | 2005/12/06 18:59 |
| S22 | 29 | ("20020102352" "20040020761" "3904506" "3925182" "3968018" "4214972" "4604181" "5054421" "5273634" "5424130" "5616532" "5853866" "5874701" "5879519" "5939194" "5961843" "5969470" "5982101" "6013372" "6090489" "6139803" "6150755" "6165256" "6171659" "6191062" "6210779" "6224718" "6225747" "6368664" "6652974" "6660365").PN. | USPAT | OR | ON | 2005/12/06 19:54 |
| S23 | 2 | ("4188199" "5520740").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 19:51 |

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| S24 | 27 | ("3968018").URPN. | USPAT | OR | ON | 2005/12/06 20:08 |
| S25 | 0 | 10/429,967 | USPAT | OR | ON | 2005/12/06 20:18 |
| S26 | 0 | 216/37.ccls. and (ion with beam with mill) | USPAT | OR | ON | 2005/12/06 20:19 |
| S27 | 6 | 216/37.ccls. and (ion with beam with mill\$3) | USPAT | OR | ON | 2005/12/06 20:19 |
| S28 | 32 | 216/37.ccls. and (ion with beam) | USPAT | OR | ON | 2005/12/06 20:19 |
| S29 | 40 | 216/37.ccls. and (ion with beam) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:33 |
| S30 | 4 | 216/37.ccls. and ((ion with beam) with (opposite bottom under under\$1side lower beneath)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:20 |
| S31 | 282 | "216"/\$.ccls. and ((ion with beam) with (perimeter edge bevel under\$1side beneath lower bottom under)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:34 |
| S32 | 185 | "216"/\$.ccls. and ((ion with beam) with (perimeter edge bevel under\$1side beneath lower bottom under) with (remov\$3 clean\$3 etch\$3 mill\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:35 |
| S33 | 185 | "216"/\$.ccls. and ((ion with beam) with (perimeter edge bevel under\$1side beneath lower bottom under margin\$3) with (remov\$3 clean\$3 etch\$3 mill\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:35 |
| S34 | 112 | "216"/\$.ccls. and ((ion with beam) with (perimeter edge bevel under\$1side beneath lower bottom under margin\$3) with (remov\$3 clean\$3 etch\$3 mill\$3) with (coat\$3 film deposit\$3 layer)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:48 |
| S35 | 5 | ("4666554").URPN. | USPAT | OR | ON | 2005/12/06 20:39 |
| S36 | 81 | ((ion with beam) with (perimeter edge bevel under\$1side beneath lower bottom under margin\$3) with surface with (remov\$3 clean\$3 etch\$3 mill\$3) with (coat\$3 film deposit\$3 layer)) | EPO; JPO; DERWENT | OR | ON | 2005/12/06 20:48 |
| S37 | 2 | ((ion with beam) with (perimeter edge bevel under\$1side beneath lower bottom under margin\$3) with surface with (remov\$3 clean\$3 etch\$3 mill\$3) with (coat\$3 film deposit\$3 layer)) same (transfer\$4 translat\$4 convey\$4 mov\$4 travel\$4) | EPO; JPO; DERWENT | OR | ON | 2005/12/06 20:49 |
| S38 | 20 | ((ion with beam) with (perimeter edge bevel under\$1side beneath lower bottom under margin\$3) with surface with (remov\$3 clean\$3 etch\$3 mill\$3) with (coat\$3 film deposit\$3 layer)) same (transfer\$4 translat\$4 convey\$4 mov\$4 travel\$4) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:54 |
| S39 | 56 | 427/255.5.ccls. and (ion with beam) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:55 |
| S40 | 11 | 427/255.5.ccls. and (ion with beam with (remov\$3 clean\$3 etch\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 20:59 |
| S41 | 25 | (ion with beam with (remov\$3 clean\$3 etch\$3) with bottom with surface with (substrate semiconductor wafer workpiece sheet)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:07 |
| S42 | 0 | ("2004/0020761").URPN. | USPAT | OR | ON | 2005/12/06 21:02 |
| S43 | 11 | (ion with beam with (remov\$3 clean\$3 etch\$3) with bottom with surface with (substrate semiconductor wafer workpiece sheet)) | EPO; JPO; DERWENT | OR | ON | 2005/12/06 21:07 |
| S44 | 1 | (ion with beam with (remov\$3 clean\$3 etch\$3) with bevel) | EPO; JPO; DERWENT | OR | ON | 2005/12/06 21:07 |
| S45 | 1369 | (118/718.ccls. 118/719.ccls.) and (ion with beam with (remov\$3 clean\$3 etch\$3) surface with (substrate semiconductor wafer workpiece sheet)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:08 |
| S46 | 9 | (118/718.ccls. 118/719.ccls.) and (ion with beam with (remov\$3 clean\$3 etch\$3) with surface with (substrate semiconductor wafer workpiece sheet)) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:09 |
| S47 | 4 | ion with beam with (remov\$3 clean\$3 etch\$3) with bottom with surface with (substrate semiconductor wafer workpiece sheet) with (after subsequent post) with (coat\$3 deposit\$3 film form\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:38 |

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|-----|-----|---|------------------------|----|----|------------------|
| S48 | 0 | ion with beam with (remov\$3 clean\$3 etch\$3) with bottom with surface with (substrate semiconductor wafer workpiece sheet) with (after subsequent post) with (coat\$3 deposit\$3 film form\$3) | EPO; JPO; DERWENT | OR | ON | 2005/12/06 21:10 |
| S49 | 88 | 204/298.26.cds. and (ion with beam) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:23 |
| S50 | 1 | "4851095".pn. | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:23 |
| S51 | 94 | ion with beam with (post) with (treat\$4 process\$4) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:38 |
| S52 | 25 | ion with beam with (post) with (treat\$4 process\$4) with (remov\$3 clean\$3 etch\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:43 |
| S53 | 101 | 204/298.35.cds. and 204/298.23-298.26.cds. | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:44 |
| S54 | 44 | 118/718.cds. and (ion with beam) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:44 |
| S55 | 3 | 118/718.cds. and (ion with beam) with (below under) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:45 |
| S56 | 38 | (118/718.cds. 118/719.cds.) and (ion with beam) with (remov\$3 etch\$3 clean\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/06 21:45 |
| S57 | 5 | ("5958134").URPN. | USPAT | OR | ON | 2005/12/06 21:49 |
| S58 | 18 | ("3562140" "3968018" "4626336" "4663009" "4722298" "4749465" "4882028" "5032243" "5048191" "5056227" "5088202" "5110249" "5121660" "5129289" "5142785" "5232568" "5377816").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 21:50 |
| S59 | 62 | 156/345.39 | US-PGPUB; USPAT | OR | ON | 2005/12/07 11:22 |
| S60 | 26 | (back\$1side with etch\$3 with ion with (gun beam)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 11:28 |
| S61 | 31 | (back\$1side with etch\$3 with ion with (gun beam mill\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 11:25 |
| S62 | 5 | S61 not S60 | US-PGPUB; USPAT | OR | ON | 2005/12/07 11:28 |
| S63 | 3 | (remov\$3 with (extra inadvertent\$4 mistak\$4) with etch\$3 with ion with (gun beam)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 11:54 |
| S64 | 22 | (remov\$3 with (extra inadvertent\$4 mistak\$4) with ion with (mill\$3 gun beam)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 12:32 |
| S65 | 36 | 156/345\$.cds. and ((back\$1side) with (etch\$3 mill ion beam gun) with remov\$4) | US-PGPUB; USPAT | OR | ON | 2005/12/07 12:08 |
| S66 | 36 | 156/345\$.cds. and ((back\$1side) with (etch\$3 mill\$3 ion beam gun) with remov\$4) | US-PGPUB; USPAT | OR | ON | 2005/12/07 12:09 |
| S67 | 2 | 156/345\$.cds. and ((back\$1side) with (mill\$3 ion beam gun) with remov\$4) | US-PGPUB; USPAT | OR | ON | 2005/12/07 12:09 |
| S68 | 20 | ("5707485").URPN. | USPAT | OR | ON | 2005/12/07 12:10 |
| S69 | 3 | ("4624728" "4908095" "5075256").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 12:11 |
| S70 | 17 | ("5075256").URPN. | USPAT | OR | ON | 2005/12/07 12:12 |
| S71 | 4 | (remov\$3 with (extra inadvertent\$4 mistak\$4) with ion with (mill\$3 gun beam)) | EPO; JPO; DERWENT | OR | ON | 2005/12/07 12:34 |
| S72 | 376 | 216/66.cds. and (ion with (mill\$3 gun beam)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 12:35 |
| S73 | 147 | 216/66.cds. and (ion with (mill\$3 gun beam) with (back\$1side back under beneath underneath below lower under\$1side bottom)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 12:37 |
| S74 | 6 | ("4825808" "5062021" "5322595" "5520981" "5586040" "5599590").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 13:36 |

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| S75 | 3 | ("5910235").URPN. | USPAT | OR | ON | 2005/12/07 12:49 |
| S76 | 10 | ("6210981").URPN. | USPAT | OR | ON | 2005/12/07 13:28 |
| S77 | 1028 | guardian.as. | USPAT | OR | ON | 2005/12/07 13:28 |
| S78 | 72 | guardian.as. and (ion adj beam) | USPAT | OR | ON | 2005/12/07 13:28 |
| S79 | 37 | guardian.as. and (ion adj beam) with (bottom under under\$1side below beneath under\$1neath reverse back back\$1side) | USPAT | OR | ON | 2005/12/07 13:30 |
| S80 | 37 | guardian.as. and ((ion adj beam) with (bottom under under\$1side below beneath under\$1neath reverse back back\$1side)) | USPAT | OR | ON | 2005/12/07 13:30 |
| S81 | 151 | (118/719.ccls. 118/718.ccls.) and (ion with (beam mill gun)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 15:31 |
| S82 | 18 | (118/719.ccls. 118/718.ccls.) and (ion with (beam mill gun) with remov\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 13:40 |
| S83 | 4 | (156/345.32.ccls. 156/345.31.ccls.) and (ion with (beam mill gun) with remov\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 13:40 |
| S84 | 12 | ((118/718.ccls. 118/719.ccls.) and (156/345.32.ccls. 156/345.31.ccls.)) and (ion with (beam mill gun)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 13:42 |
| S85 | 233 | ((118/718.ccls. 118/719.ccls.) and (156/345.32.ccls. 156/345.31.ccls.)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 13:43 |
| S86 | 11 | ((118/718.ccls. 118/719.ccls.) and (156/345.32.ccls. 156/345.31.ccls.)) and (remov\$4 with (excess\$4 over\$1spray extra inadvertent\$4 mistake\$4)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 13:44 |
| S87 | 11 | ((118/718.ccls. 118/719.ccls.) and (156/345.32.ccls. 156/345.31.ccls.)) and ((remov\$4 etch\$3) with (excess\$4 over\$1spray extra inadvertent\$4 mistake\$4)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 13:47 |
| S88 | 87 | ((118/718.ccls. 118/719.ccls.) and (156/345.32.ccls. 156/345.31.ccls.)) and ((remov\$4 etch\$3) with (bottom under under\$1side below beneath under\$1neath reverse back back\$1side)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 13:47 |
| S89 | 499 | (427/255.5).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/12/07 13:52 |
| S90 | 70 | 427/255.5.ccls. and (ion with (beam etch\$3 mill\$3 gun)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:24 |
| S91 | 56 | 427/532.ccls. and (ion with (beam etch\$3 mill\$3 gun)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:25 |
| S92 | 9 | 427/532.ccls. and (ion with (beam etch\$3 mill\$3 gun) with remov\$4) | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:34 |
| S93 | 32 | 427/533.ccls. and (ion with (beam etch\$3 mill\$3 gun) with remov\$4) | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:28 |
| S94 | 32 | S93 not33 | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:34 |
| S95 | 31 | S93 not S91 | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:34 |
| S96 | 1 | 427/209-210.ccls. and (ion with (beam etch\$3 mill\$3 gun) with remov\$4) | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:35 |
| S97 | 10 | 427/209-210.ccls. and (ion with (beam etch\$3 mill\$3 gun)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:37 |
| S98 | 865 | 427/209-210.ccls. | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:35 |
| S99 | 9 | 427/209.ccls. and (ion with (beam etch\$3 mill\$3 gun)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:37 |

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| S10 0 | 675 | 427/209.cds. | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:37 |
| S10 1 | 0 | 427/209.cds. and ((remov\$3 etch\$3 mill\$3) with (excess\$4extra inadvertent\$4 mistak\$4)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 14:38 |
| S10 2 | 70 | 427/209.cds. and ((remov\$3 etch\$3 mill\$3) with (excess\$4 extra inadvertent\$4 mistak\$4)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 15:15 |
| S10 3 | 196 | (118/719.cds. 118/718.cds.) and in\$1line | US-PGPUB; USPAT | OR | ON | 2005/12/07 15:30 |
| S10 4 | 2121 | (118/719.cds. 118/718.cds.) | US-PGPUB; USPAT | OR | ON | 2005/12/07 15:31 |
| S10 5 | 155 | (118/719.cds. 118/718.cds.) and (ion with (beam mill\$3 gun)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 15:31 |
| S10 6 | 3 | ("5439524" "5505779" "5863338").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 15:39 |
| S10 7 | 3 | ("5439524" "5505779" "5863338").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 15:39 |
| S10 8 | 0 | ("6231673").URPN. | USPAT | OR | ON | 2005/12/07 15:39 |
| S10 9 | 9 | ("3594238" "4478703" "4629631" "4683149" "4708037" "4740385" "5241152" "5346600").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 15:42 |
| S11 0 | 0 | ("2003/0150382").URPN. | USPAT | OR | ON | 2005/12/07 15:48 |
| S11 1 | 0 | 204/298.56.cds. and (ion with (beam mill\$3 gun)) | USPAT | OR | ON | 2005/12/07 15:48 |
| S11 2 | 77 | 204/298.26.cds. and (ion with (beam mill\$3 gun)) | USPAT | OR | ON | 2005/12/07 15:49 |
| S11 3 | 128 | 204/298.36.cds. | USPAT | OR | ON | 2005/12/07 15:49 |
| S11 4 | 143 | 204/298.36.cds. | US-PGPUB; USPAT | OR | ON | 2005/12/07 15:49 |
| S11 5 | 4 | 204/298.36.cds. and 204/298.23-298.26.cds. | US-PGPUB; USPAT | OR | ON | 2005/12/07 16:29 |
| S11 6 | 15 | 204/298.36.cds. and (204/298.23-298.26.cds. 204/298.35.cds.) | US-PGPUB; USPAT | OR | ON | 2005/12/07 16:25 |
| S11 7 | 16 | ("4278493").URPN. | USPAT | OR | ON | 2005/12/07 15:52 |
| S11 8 | 12 | ("3528387" "3548189" "3769109" "3868271" "4016062" "4098917" "4126530" "4135998" "4147573" "4148705").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/07 16:03 |
| S11 9 | 143 | 204/298.36.cds. | US-PGPUB; USPAT | OR | ON | 2005/12/07 16:35 |
| S12 0 | 11 | 204/298.36.cds. and 204/298.35.cds. | US-PGPUB; USPAT | OR | ON | 2005/12/07 16:29 |
| S12 1 | 4 | 204/298.36.cds. and back\$1side | US-PGPUB; USPAT | OR | ON | 2005/12/07 16:36 |
| S12 2 | 1 | glass and (ion with (beam gun etch\$3 mill\$3)) with back\$1side | EPO; JPO; DERWENT | OR | ON | 2005/12/07 16:37 |
| S12 3 | 33 | (ion with (beam gun etch\$3 mill\$3)) with back\$1side | EPO; JPO; DERWENT | OR | ON | 2005/12/07 16:40 |
| S12 4 | 1 | (ion with (beam gun etch\$3 mill\$3)) and back\$1side and in\$1line | EPO; JPO; DERWENT | OR | ON | 2005/12/07 16:40 |
| S12 5 | 2 | (ion with (beam gun etch\$3 mill\$3)) and back\$1side and ((transfer\$4 translat\$4 convey\$4 mov\$4 travel\$4) with (substrate wafer sheet plate semiconductor glass)) | EPO; JPO; DERWENT | OR | ON | 2005/12/07 16:42 |

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| S12 6 | 112 | ((ion with (beam gun etch\$3 mill\$3)) with (back\$1side beneath under under\$1neath bottom lower)) and ((transfer\$4 translat\$4 convey\$4 mov\$4 travel\$4) with (substrate wafer sheet plate semiconductor glass)) | EPO; JPO; DERWENT | OR | ON | 2005/12/07 16:43 |
| S12 7 | 70 | ((ion with (beam gun etch\$3 mill\$3)) with (back\$1side bottom lower)) and ((transfer\$4 translat\$4 convey\$4 mov\$4 travel\$4) with (substrate wafer sheet plate semiconductor glass)) | EPO; JPO; DERWENT | OR | ON | 2005/12/07 19:28 |
| S12 8 | 1 | ("3925182").PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/07 19:30 |
| S12 9 | 1 | ("5879519").PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/07 19:30 |
| S13 0 | 26 | "0200564" | EPO; JPO; DERWENT | OR | ON | 2005/12/07 19:34 |
| S13 1 | 7 | "200200564" | EPO; JPO; DERWENT | OR | ON | 2005/12/07 19:49 |
| S13 2 | 1 | ("6660635").PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/07 19:50 |
| S13 3 | 1 | ("6660365").PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/07 19:50 |
| S13 4 | 42 | (bevel chamfer) with (ion with (gun beam etch\$3 mill\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:06 |
| S13 5 | 69 | (bevel chamfer\$3) with (ion with (gun beam etch\$3 mill\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:06 |
| S13 6 | 37 | (bevel chamfer\$3) with (ion with (gun beam mill\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:10 |
| S13 7 | 108 | (remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:17 |
| S13 8 | 28 | (remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3) | EPO; JPO; DERWENT | OR | ON | 2005/12/07 20:12 |
| S13 9 | 0 | (remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3) with beam | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:12 |
| S14 0 | 0 | (remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3) with ion | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:12 |
| S14 1 | 596 | (remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3 edge) with (back back\$1side under under\$1neath bottom lower) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:20 |
| S14 2 | 3820 | (remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3 edge) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:17 |
| S14 3 | 13 | (remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3 edge) with (back back\$1side under under\$1neath bottom lower) with (ion beam mill\$3 gun) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:18 |
| S14 4 | 157 | ((remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3 edge) with (back back\$1side under under\$1neath bottom lower)) and glass | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:20 |
| S14 5 | 23 | ((remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (bevel chamfer\$3 edge) with (back back\$1side under under\$1neath bottom lower)) and (glass with sheet) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:24 |
| S14 6 | 588 | ((remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (back back\$1side under under\$1neath bottom lower)) and (glass with sheet) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:28 |
| S14 7 | 4 | ((remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (back back\$1side under under\$1neath bottom lower) with (ion gun beam)) and (glass with sheet) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:25 |
| S14 8 | 290 | ((remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (back back\$1side under under\$1neath bottom lower) with (ion gun beam)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:25 |

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|------|-----|--|------------------------|----|-----|------------------|
| S149 | 13 | ((remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (back back\$1side under under\$1neath bottom lower) with (ion with (gun beam))) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:26 |
| S150 | 13 | ((remov\$3 etch\$3) with (extra excess\$3 mistak\$4 inadvertent\$4) with (back back\$1side under under\$1neath bottom lower)) and (glass with sheet) | EPO; JPO; DERWENT | OR | ON | 2005/12/07 20:30 |
| S151 | 1 | ("3551128").PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/07 20:31 |
| S152 | 2 | ((("0035512") or ("0000028"))).PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/07 20:31 |
| S153 | 1 | ("3551228").PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/07 20:36 |
| S154 | 0 | 65/67.cds. and (ion with (beam gun mill\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:36 |
| S155 | 238 | "65"/\$.cds. and (ion with (beam gun mill\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/07 20:36 |
| S156 | 30 | "65"/\$.cds. and (ion with (beam gun mill\$3) with remov\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/08 11:20 |
| S157 | 269 | etch\$3 with marginal | US-PGPUB; USPAT | OR | ON | 2005/12/08 11:20 |
| S158 | 12 | etch\$3 with marginal with ion | US-PGPUB; USPAT | OR | ON | 2005/12/08 11:21 |
| S159 | 182 | etch\$3 with edge with (excess\$3 extra inadvertent mistak\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/08 11:22 |
| S160 | 34 | etch\$3 with edge with (excess\$3 extra inadvertent mistak\$3) | EPO; JPO; DERWENT | OR | ON | 2005/12/08 11:32 |
| S161 | 3 | ion with (gun beam) with edge with (excess\$3 extra inadvertent mistak\$3) | EPO; JPO; DERWENT | OR | ON | 2005/12/08 11:33 |
| S162 | 6 | ion with (gun beam) with edge with (excess\$3 extra inadvertent mistak\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 11:35 |
| S163 | 8 | ion with (gun beam) with bottom with surface with (excess\$3 extra inadvertent mistak\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 11:36 |
| S164 | 1 | etch\$3 with (gun beam) with bottom with surface with (excess\$3 extra inadvertent mistak\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 11:37 |
| S165 | 85 | etch\$3 with bottom with surface with (excess\$3 extra inadvertent mistak\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 11:39 |
| S166 | 13 | etch\$3 with bottom with surface with (excess\$3 extra inadvertent mistak\$3) | EPO; JPO; DERWENT | OR | ON | 2005/12/08 12:17 |
| S167 | 81 | 204/192.34.cds. | EPO; JPO; DERWENT | OR | ON | 2005/12/08 12:17 |
| S168 | 417 | 204/192.34.cds. | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:17 |
| S169 | 122 | 204/192.34.cds. and glass | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:18 |
| S170 | 0 | 204/192.34.cds. and (glass same (bottom edge lower back back\$1side) with remov\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:18 |
| S171 | 0 | 204/192.34.cds. and (glass same (bottom edge lower back back\$1side circumference perimeter bevel chamfer) with remov\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:19 |
| S172 | 98 | 204/192.34.cds. and ((bottom edge lower back back\$1side circumference perimeter bevel chamfer) with remov\$3) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:19 |
| S173 | 38 | 204/192.34.cds. and ((bottom edge lower back back\$1side circumference perimeter bevel chamfer) with remov\$3 with surface) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:25 |

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| S17 4 | 111 | 204/192.34.cds. and ((beam gun) with (below under underneath)) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:25 |
| S17 5 | 63 | 204/192.34.cds. and ((beam gun) near4 (below under underneath)) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:26 |
| S17 6 | 43 | 204/192.34.cds. and (204/192.11) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:26 |
| S17 7 | 44 | 204/192.34.cds. and 204/192.11.cds. | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:50 |
| S17 8 | 10 | ("5472566").URPN. | USPAT | OR | ON | 2005/12/08 12:31 |
| S17 9 | 4 | ("4128765" "4411733" "5009743" "5223109").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 12:33 |
| S18 0 | 249 | (204/192.34.cds. 204/192.11.cds.) and (both with (side surface)) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:52 |
| S18 1 | 60 | (204/192.34.cds. 204/192.11.cds.) and (both with (side surface) with (process\$3 treat\$3)) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:52 |
| S18 2 | 102 | (204/192.34.cds. 204/192.11.cds.) and (both adj (side surface)) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:52 |
| S18 3 | 47 | (204/192.34.cds. 204/192.11.cds.) and ((both adj (side surface)) with (process\$3 treat\$3 ion)) | US-PGPUB; USPAT | OR | ON | 2005/12/08 12:53 |
| S18 4 | 11 | ("4747922").URPN. | USPAT | OR | ON | 2005/12/08 12:56 |
| S18 5 | 20 | ("3391071" "3409529" "3472751" "3487000" "3492215" "3528387" "4142958" "4250009" "4278493" "4361472" "4381453" "4424103" "4450031" "4492620").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 12:57 |
| S18 6 | 8 | ("4717622" "4840844" "4861662" "4880687" "4889767" "5118577" "5227211" "5275850").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/08 13:00 |
| S18 7 | 10 | ("5500296").URPN. | USPAT | OR | ON | 2005/12/08 13:58 |
| S18 8 | 2 | maloney.in. and bevel | USPAT | OR | ON | 2005/12/08 13:59 |
| S18 9 | 1 | maloney.in. and (transfer\$4 with wet) | USPAT | OR | ON | 2005/12/08 13:59 |
| S19 0 | 0 | maloney.in. and (transfer\$4 with robot) | USPAT | OR | ON | 2005/12/08 13:59 |
| S19 1 | 2 | maloney.in. and (transfer\$4 with hand) | USPAT | OR | ON | 2005/12/08 14:00 |
| S19 2 | 42 | maloney.in. and (blade) | USPAT | OR | ON | 2005/12/08 14:01 |
| S19 3 | 1 | "6231428".pn. | USPAT | OR | ON | 2005/12/08 14:33 |
| S19 4 | 2 | trojan.in. and scrub | USPAT | OR | ON | 2005/12/08 15:29 |
| S19 5 | 1 | ("6267853").PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/08 15:30 |
| S19 6 | 1 | ("6161054").PN. | US-PGPUB; USPAT | OR | OFF | 2005/12/08 15:30 |